

ABSTRACT

The present invention relates to mobile peripheral hardware such as a monitor, keyboard and mouse coupled to a remotely located primary PC in two way data communication over existing global networks, such as the public switched telephone network and/or the Internet Cloud. The remotely located primary PC is coupled to process all input information received from the peripheral hardware and transmit the processed output information back to the peripheral hardware for display and use by the user. This invention allows a user unrestricted use of his/her primary PC from a remote location without requiring any device or hardware other than a monitor, keyboard, mouse, and a modem. The only function of the peripheral hardware is to send information signals to the remotely located primary PC where they are processed and transmitted back to the peripheral hardware for display and use by the user. The information signals sent from the peripheral hardware to the remotely located primary PC are in the form of raw, unprocessed signals. The peripheral hardware uses the computing power of the primary PC; the CPU, applications, files and services of the primary PC to process the raw signals and, therefore, as it needs only very limited power, it does not require its own hardware or software to duplicate such processing functions. If a monitor having a touch sensitive screen is used to transmit information, depending on the function chosen, the use of a keyboard may not always be necessary. For example, the keyboard may not be necessary in those instances where the user is accessing a collection of files of songs or the like. In this instance a small MP3 player or a headphone can be used to access and play a particular song stored in the hard disk of the primary PC. The invention disclosed relates to method and apparatus for providing real mobile computing from a remote hand held, light weight "dumb" terminal. The hand held terminal is neither a small PC nor needs to duplicate software, files etc., nor needs to process such information by means of a CPU. Such "heavy lifting" continues to be performed by the primary PC. Almost all PC users have customized their primary computer to have on their hard disk all the information and software they need to satisfy their processing needs. The invention here disclosed is a small, light weight, inexpensive, hand held dumb terminal which remotely operates a specific primary PC to allow the user to assess the hard disk of his/her own home or office desk

top PC (Primary PC) and let the primary CPU continue to do all the processing of desired information from a remotely located dumb terminal.